

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A method for providing electronic delivery of electronic model images, the method comprising:
 - generating one or more electronic model images, a portion of the electronic model images being generated from scanned electronic data of a physical object;
 - storing the electronic model images within computer readable memory of a server-based computing system;
 - delivering the electronic model images to a remote client computer over a distributed communications network;
 - manipulating the electronic model images upon the remote client computer, the electronic model images stored on the server-based computing system remaining unchanged; and
 - performing analysis and a course of action using the manipulated electronic model images;
 - displaying the electronic model images on a visual display device;
 - altering the scale and orientation of the electronic model images in response to user generated commands; and
 - determining numeric values associated with physical characteristics of the physical object using the electronic model images;
 - wherein the electronic model images comprise in part a polygonal mesh representation of the physical object.
2. (Original) The method according to claim 1, wherein the method further comprises:
 - generating a new electronic model image using the manipulated electronic model image.
3. (Original) The method according to claim 2, where the method further comprises:
 - storing the electronic model images within computer readable memory of the remote client computer.

4. (Original) The method according to claim 1, wherein the generating one or more electronic model images comprises:

combining the polygonal mesh representation of the physical object with one or more electronic model image of a different type that is related to the physical object.

5. (Original) The method according to claim 4, where the one or more electronic model image of a different type comprise one or more of the following types of digital images: scanned x-ray images, scanned photographic images, and computer generated images.

6. (Original) The method according to claim 1, wherein the distributed computer network comprises the Internet.

7. (Canceled).

8. (Currently Amended) The method according to ~~claim 7~~ claim 1, where manipulating the electronic model images further comprises:

moving one or more portions of the electronic model image relative to other portions of the electronic model image on the visual display device to determine the interaction of the corresponding portions of the physical object.

9. (Original) A method for providing electronic delivery of electronic model images, the method comprising:

generating one or more electronic model images, a portion of the electronic model images being generated from scanned electronic data of a physical object;

storing the electronic model images within computer readable memory of a server-based computing system;

delivering the electronic model images to a remote client computer over a distributed communications network;

manipulating the electronic model images upon the remote client computer;

performing analysis and a course of action using the manipulated electronic model images;
generating a new electronic model image using the manipulated electronic model image;
and
storing the electronic model images within computer readable memory of the remote client computer;
wherein the electronic model images comprise in part a polygonal mesh representation of the physical object; and
manipulating the electronic model images comprises:
displaying the electronic model images on a visual display device;
altering the scale and orientation of the electronic model images in response to user generated commands;
determining numeric values associated with physical characteristics of the physical object using the electronic model images; and
moving one or more portions of the electronic model image relative to other portions of the electronic model image on the visual display device to determine the interaction of the corresponding portions of the physical object.

10. (Original) The method according to claim 9, where the generating one or more electronic model images comprises:

combining the polygonal mesh representation of the physical object with one or more electronic model image of a different type that is related to the physical object;
the one or more electronic model image of a different type comprise one or more of the following types of digital images: scanned x-ray images, scanned photographic images, and computer generated images; and
the distributed computer network comprises the Internet.

11. (Original) A method for providing electronic model image data files to a remote client computer using a server-based computing system over a distributed communications network, the method comprising:

receiving an electronic model image data files by the server-based computing system;

storing the electronic model image data files within non-volatile computer readable memory within the server-based computing system;

receiving a search query from the remote client computer to identify one or more electronic model image data files;

receiving a file transfer request from the remote client computer requesting one or more electronic model image data files; and

transmitting one or more electronic model image data files to the remote client computer;

wherein the electronic model image data files comprise:

a file header info data block containing data used to identify a physical object represented by the electronic model image data file; and

an electronic model image, a portion of the electronic model image containing a polygonal mesh representation of the physical object generated from scanned electronic data of a physical object.

12. (Original) The method according to claim 11, wherein the electronic model image comprises:

the polygonal mesh representation of the physical object; and

one or more electronic model image of a different type that is related to the physical object.

13. (Original) The method according to claim 12, where the one or more electronic model image of a different type comprise one or more of the following types of digital images: scanned x-ray images, scanned photographic images, and computer generated images.

14. (Original) The method according to claim 11, wherein the distributed computer network comprises the Internet.

15. (Original) The method according to claim 11 wherein the storing the electronic model image data files comprises:

storing the file header info data extracted from the file header info data block into a relational database for use in processing the search queries received from the remote client computer; and

storing the electronic model image data files into a file storage database for use in processing file transfer requests received from the remote client computer.

16. (Original) A computer program data product readable by a computing system and encoding instructions implementing a method for providing electronic model image data files to a remote client computer using a server-based computing system over a distributed communications network, the method comprising:

receiving an electronic model image data files by the server-based computing system; storing the electronic model image data files within non-volatile computer readable memory within the server-based computing system;

receiving a search query from the remote client computer to identify one or more electronic model image data files;

receiving a file transfer request from the remote client computer requesting one or more electronic model image data files; and

transmitting one or more electronic model image data files to the remote client computer; wherein the electronic model image data files comprise:

a file header info data block containing data used to identify a physical object represented by the electronic model image data file; and

an electronic model image, a portion of the electronic model image containing a polygonal mesh representation of the physical object generated from scanned electronic data of a physical object.

17. (Original) The computer data product according to claim 16, wherein the electronic model image comprises:

the polygonal mesh representation of the physical object; and
one or more electronic model image of a different type that is related to the physical object.

18. (Original) The computer data product according to claim 17, where the one or more electronic model image of a different type comprise one or more of the following types of digital images: scanned x-ray images, scanned photographic images, and computer generated images.

19. (Original) The computer data product according to claim 16, wherein the distributed computer network comprises the Internet.

20. (Original) The computer data product according to claim 16, wherein the storing the electronic model image data files comprises:

- storing the file header info data extracted from the file header info data block into a relational database for use in processing the search queries received from the remote client computer; and

- storing the electronic model image data files into a file storage database for use in processing file transfer requests received from the remote client computer.

21. (Previously Presented) A server based computing system for providing electronic model image data files to a remote client computer over a distributed communications network, the computing system comprises:

- a communications connection to the distributed communications network;

- a communications server module for receiving remotely generated electronic model image data files, receiving search query requests from the remote client computer, and transmitting a requested electronic model image data file to the remote client computer in response to a file transfer request;

- a relational database module for maintaining a electronic model image description in a relational database corresponding to each received electronic model image data file for use in processing the search queries received from the remote client computer;

- a file storage module for storing the electronic model image data files for use in processing file transfer requests received from the remote client computer;

- wherein the electronic model image data files comprise:

- a file header info data block containing data used to identify a three dimensional physical object represented by the electronic model image data file; and

an electronic model image, a portion of the electronic model image containing a polygonal mesh representation of the three dimensional physical object generated from scanned electronic data of a three dimensional physical object.

22. (Original) The computing system according to claim 21, wherein the electronic model image comprises:

the polygonal mesh representation of the physical object; and
one or more electronic model image of a different type that is related to the physical object.

23. (Original) The computer system according to claim 22, wherein the one or more electronic model image of a different type comprise one or more of the following types of digital images: scanned x-ray images, scanned photographic images, and computer generated images.

24. (Original) The computer system according to claim 22, wherein the electronic model image description comprises file header info data extracted from the file header info data block within the electronic model image data file.

25. (Original) The computer system according to claim 24, wherein the distributed computer network comprises the Internet.

26. (Original) A method for receiving electronic model image data files by a remote client computer from a server-based computing system over a distributed communications network, the method comprising:

transmitting a search query from the remote client computer to the server-based computing system to identify one or more electronic model image data files stored within the server-based computing system;

transmitting a file transfer request from the remote client computer to the server-based computing system requesting one or more electronic model image data files; and

receiving one or more electronic model image data files;

manipulating the electronic model images upon the remote client computer; and

performing analysis and a course of action using the manipulated electronic model images;

wherein the electronic model image data files comprise:

a file header info data block containing data used to identify a physical object represented by the electronic model image data file; and

an electronic model image, a portion of the electronic model image containing a polygonal mesh representation of the physical object generated from scanned electronic data of a physical object.

27. (Original) The method according to claim 26, wherein the electronic model image comprises:

the polygonal mesh representation of the physical object; and

one or more electronic model image of a different type that is related to the physical object.

28. (Original) The method according to claim 27, where the one or more electronic model image of a different type comprise one or more of the following types of digital images: scanned x-ray images, scanned photographic images, and computer generated images.

29. (Original) The method according to claim 28, wherein the distributed computer network comprises the Internet.

30. (Original) The method according to claim 26, wherein the method further comprises: generating a new electronic model image using the manipulated electronic model image.

31. (Original) The method according to claim 30, where the method further comprises: storing the electronic model images within computer readable memory of the remote client computer.

32. (Original) The method according to claim 26, wherein manipulating the electronic model images comprises:

displaying the electronic model images on a visual display device;
altering the scale and orientation of the electronic model images in response to user generated commands; and
determining numeric values associated with physical characteristics of the physical object using the electronic model images.

33. (Original) The method according to claim 32, where manipulating the electronic model images further comprises:

moving one or more portions of the electronic model image relative to other portions of the electronic model image on the visual display device to determine the interaction of the corresponding portions of the physical object.

34. (Original) A method for receiving electronic model image data files by a remote client computer from a server-based computing system over a distributed communications network, the method comprising:

transmitting a search query from the remote client computer to the server-based computing system to identify one or more electronic model image data files stored within the server-based computing system;

transmitting a file transfer request from the remote client computer to the server-based computing system requesting one or more electronic model image data files; and

receiving one or more electronic model image data files;
manipulating the electronic model images upon the remote client computer; and
performing analysis and a course of action using the manipulated electronic model images;

wherein

manipulating the electronic model images comprises:

displaying the electronic model images on a visual display device;
altering the scale and orientation of the electronic model images in response to user generated commands;

determining numeric values associated with physical characteristics of the physical object using the electronic model images; and

moving one or more portions of the electronic model image relative to other portions of the electronic model image on the visual display device to determine the interaction of the corresponding portions of the physical object; and the electronic model image data files comprise:

a file header info data block containing data used to identify a physical object represented by the electronic model image data file; and

an electronic model image, a portion of the electronic model image containing a polygonal mesh representation of the physical object generated from scanned electronic data of a physical object.

35. (Original) The method according to claim 34, wherein the method further comprises: generating a new electronic model image using the manipulated electronic model image; and storing the electronic model images within computer readable memory of the remote client computer.

36. (Original) A computer program data product readable by a computing system and encoding instructions implementing a method for receiving electronic model image data files by a remote client computer from a server-based computing system over a distributed communications network, the method comprising:

transmitting a search query from the remote client computer to the server-based computing system to identify one or more electronic model image data files stored within the server-based computing system;

transmitting a file transfer request from the remote client computer to the server-based computing system requesting one or more electronic model image data files; and

receiving one or more electronic model image data files;
manipulating the electronic model images upon the remote client computer; and
performing analysis and a course of action using the manipulated electronic model images;

wherein the electronic model image data files comprise:

a file header info data block containing data used to identify a physical object represented by the electronic model image data file; and

an electronic model image, a portion of the electronic model image containing a polygonal mesh representation of the physical object generated from scanned electronic data of a physical object.

37. (Original) The computer data product according to claim 36, wherein the electronic model image comprises:

the polygonal mesh representation of the physical object; and

one or more electronic model image of a different type that is related to the physical object.

38. (Original) The computer data product according to claim 37, where the one or more electronic model image of a different type comprise one or more of the following types of digital images: scanned x-ray images, scanned photographic images, and computer generated images.

39. (Original) The computer data product according to claim 38, wherein the distributed computer network comprises the Internet.

40. (Original) The computer data product according to claim 36, wherein the method further comprises:

generating a new electronic model image using the manipulated electronic model image.

41. (Previously Presented) The computer data product according to claim 40, where the method further comprises:

storing the electronic model images within computer readable memory of the remote client computer.

42. (Original) The computer data product according to claim 36, wherein manipulating the electronic model images comprises:

displaying the electronic model images on a visual display device;

altering the scale and orientation of the electronic model images in response to user generated commands; and

determining numeric values associated with physical characteristics of the physical object using the electronic model images.

43. (Original) The computer data product according to claim 42, where manipulating the electronic model images further comprises:

moving one or more portions of the electronic model image relative to other portions of the electronic model image on the visual display device to determine the interaction of the corresponding portions of the physical object.

44. (Original) A computer program data product readable by a computing system and encoding instructions implementing a method for receiving electronic model image data files by a remote client computer from a server-based computing system over a distributed communications network, the method comprising:

transmitting a search query from the remote client computer to the server-based computing system to identify one or more electronic model image data files stored within the server-based computing system;

transmitting a file transfer request from the remote client computer to the server-based computing system requesting one or more electronic model image data files; and

receiving one or more electronic model image data files;

manipulating the electronic model images upon the remote client computer; and

performing analysis and a course of action using the manipulated electronic model images;

wherein

manipulating the electronic model images comprises:

displaying the electronic model images on a visual display device;

altering the scale and orientation of the electronic model images in response to user generated commands;

determining numeric values associated with physical characteristics of the physical object using the electronic model images; and

moving one or more portions of the electronic model image relative to other portions of the electronic model image on the visual display device to determine the interaction of the corresponding portions of the physical object; and the electronic model image data files comprise:

a file header info data block containing data used to identify a physical object represented by the electronic model image data file; and

an electronic model image, a portion of the electronic model image containing a polygonal mesh representation of the physical object generated from scanned electronic data of a physical object.

45. (Original) The computer data product according to claim 44, wherein the method further comprises:

generating a new electronic model image using the manipulated electronic model image; and

storing the electronic model images within computer readable memory of the remote client computer.